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53 A East Lee Street
Warrenton, Virginia 20186

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Website: http://www.kbpattentlaw.com

*Admitted only in states indicated

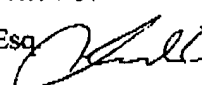
PLEASE DIRECT CORRESPONDENCE TO OUR FAIRFAX OFFICE

FACSIMILE TRANSMISSION COVERSHEET

DATE: February 3, 2005

TO: Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

RE: **U.S. Patent Application No. 09/075,392**
Filed: May 8, 1998
Confirmation No.: 3603
Attorney Docket No.: 5010-237

FROM: Leonard D. Bowersox, Esq.  (Reg. No. 33,226)

FAC. NO.: (703) 872-9306

URGENT

NUMBER OF PAGES (INCLUDING THIS COVER SHEET): 24

Items Attached: Transmittal Form (1 page)
Request for Initialed Form PTO-1449 (3 pages)
Exhibits A-H (19 pages)

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Fax No. (703) 872-9306 on February 3, 2005.

April D. Brandon
Printed Name:


Signature

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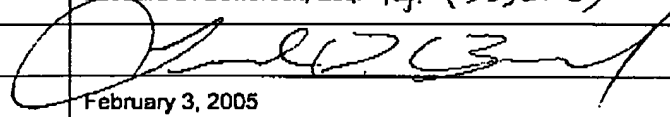
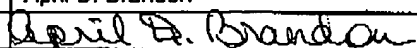
Please type a plus sign (+) inside this box → 

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<h1>TRANSMITTAL FORM</h1> <p>(to be used for all correspondence after initial filing)</p>		Application Number		09/074,392	
		Filing Date		May 8, 1998	
		First Named Inventor		John G. ATWOOD	
		Group Art Unit		3621	
		Examiner Name		Firmin BACKER	
Total Number of Pages in This Submission		24	Attorney Docket Number		5010-237
ENCLOSURES (check all that apply)					
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> After Allowance Communication to Group		<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Acknowledgement Postcard <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Facsimile Transmittal Coversheet; Request for Initialed Form PTO-1449 (3 pages); and Exhibits A-H (19 pages)	
Remarks		Customer No. 35411		URGENT	
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT					
Firm or Individual name		Leonard D. Bowersox, Esq. Reg. # (33,226)			
Signature					
Date		February 3, 2005			
CERTIFICATE OF MAILING					
I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Fax No. (703) 872-9306 on February 3, 2005.					
Type or printed name		April D. Brandon			
Signature				Date	February 3, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Fax No. (703) 872-9306 on February 3, 2005.

April D. Brandon
Name (Print)

April D. Brandon
Signature

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FEB 03 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 09/075,392 Confirmation No. 3603
Applicant : ATWOOD et al.
Filed : May 8, 1998
Title : IMPROVEMENTS IN THERMAL CYCLER FOR PCR
TC/A.U. : 3621
Examiner : Firmin BACKER
Docket No. : 5010-237

URGENT

REQUEST FOR INITIALED FORM PTO-1449

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants respectfully request that a copy of each of the following documents be provided to the undersigned: (1) initialed Form PTO-1449 submitted with the Information Disclosure Statement (IDS) filed in the above-identified application on November 16, 1998; and (2) initialed Form PTO-1449 submitted with the IDS filed in the above-identified application on September 27, 2002. The requested documents were not received by Applicants.

On November 16, 1998, an IDS was filed in the above-identified application. Enclosed please find: Exhibit A – a copy of a postcard receipt date-stamped “November 18, 1998” indicating filing of an IDS, Form PTO-1449, a copy of an International Search Report, and copies of references cited, one (1) page; Exhibit B – “Updated Information Disclosure Statement and Certification Under 37 C.F.R. § 1.98(e)” with a Certificate of Mailing indicating that the Updated IDS was mailed on November 16, 1998, one (1) page; Exhibit C – Form PTO-1449

Request For Initialed Form PTO-1449
U.S. Application No. 09/075,392
Page 2 of 3

listing references cited, one (1) page; and Exhibit D – International Search Report, four (4) pages.

As can be seen from Exhibits A-D, an IDS was filed in the above-identified application on November 16, 1998. An initialed copy of Form PTO-1449 indicating consideration of the listed references is respectfully requested.

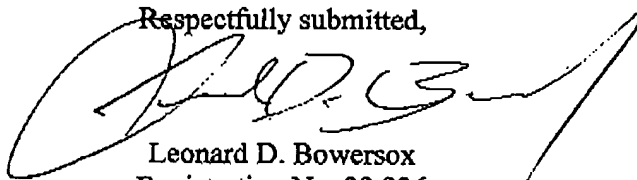
On September 27, 2002, an IDS was filed in the above-identified application. Enclosed please find: Exhibit E – a copy of a postcard receipt date-stamped “October 7, 2002” indicating filing of an IDS, Form PTO-1449, a copy of an International Search Report, and copies of references cited, one (1) page; Exhibit F – “Information Disclosure Statement” with a Certificate of Mailing indicating that the IDS was mailed on September 27, 2002, one (1) page; Exhibit G – Form PTO-1449 listing references cited, one (1) page; and Exhibit H – International Search Report, nine (9) pages. As can be seen from Exhibits E-G, an IDS was filed in the above-identified application on September 27, 2002. An initialed copy of Form PTO-1449 indicating consideration of the listed references is respectfully requested.

Applicants respectfully request that the subject documents be forwarded to the undersigned prior to the non-extendible due date for payment of the issue fee in the above-identified application, of February 16, 2005.

Request For Initialed Form PTO-1449
U.S. Application No. 09/075,392
Page 3 of 3

Should any fee(s) be due in connection with the filing of this request, please charge such
fee(s) to USPTO Deposit Account No. 50-0925.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'L. D. Bowersox', is written over the typed name.

Leonard D. Bowersox
Registration No. 33,226

KILYK & BOWERSOX, P.L.L.C.
3603-E Chain Bridge Road
Fairfax, Virginia 22030
Tel.: (703) 385-9688
Fac.: (703) 385-9719

Enclosures: Facsimile Transmittal Coversheet
Transmittal Form
Exhibits A-H

(A)

RE: Ser. No. 09/075,392Filing Date: 5-8-98

Title: _____

IMPROVEMENTS IN THERMAL CYCLER FOR PCR

Kindly return this card imprinted with the Patent Office mailroom receiving stamp to acknowledge receipt of the following paper(s) relating to the above-identified application:

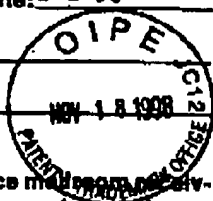
- Information Disclosure Statement and certification
under 37 C.F.R.1.98(e)
- Form PTO-1449
- Copy International Search Report
- Copies of references cited

O-1436-02

BT-4522

RE: Ser. No. 09/075,392Filing Date: 5-8-98

Title: _____

IMPROVEMENTS IN THERMAL CYCLER FOR PCR

Kindly return this card imprinted with the Patent Office mailroom receiving stamp to acknowledge receipt of the following paper(s) relating to the above-identified application:

- Information Disclosure Statement and certification
under 37 C.F.R.1.98(e)
- Form PTO-1449
- Copy International Search Report
- Copies of references cited

O-1436-02

BT-4522

(B)

BT-4522

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of John G. Atwood et al.

Serial No.: 09/075,392

Filed: May 8, 1998

For: IMPROVEMENTS IN THERMAL CYCLER
FOR PCR)
)Group Art Unit: 2764
)
)Examiner:
)
)
)**RECEIVED**
CENTRAL FAX CENTER
FEB 03 2005Asst. Commissioner for Patents
Washington, DC 20231UPDATED INFORMATION DISCLOSURE STATEMENT
AND CERTIFICATION UNDER 37 C.F.R. 1.98(e)

Dear Sir:

Submitted herewith are references as listed on the attached form PTO-1449. Also enclosed is a copy of the International Search Report that cites these references. The undersigned certifies that each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

Consideration of these references by the examiner is respectfully requested.

Respectfully submitted,

David Aker
Attorney for the Applicant
Reg. No. 29,277The Perkin-Elmer Corporation
761 Main avenue
Norwalk, Connecticut 06850-0199
(203) 761-5123
November 16, 1998

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231, on Nov 16, 1998

Paula C. Carletta (Date of Deposit)
Paula C. Carletta (Signature)
Name of applicant, assignee, or Registered Pro.
Signature Date

(C)

FORM PTO-1449 (REV. 7-98)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. BT-4522 APPLICANT John G. Atwood et al. FILING DATE 05/08/98		Sheet <u>1</u> of <u>1</u> SERIAL NO. 09/075,392 GROUP 2764	
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)							
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	✓ 5 2 4 8 9 3 4	09-93	Roveti	324	115		
	✓ 4 8 8 1 0 3 8	11-89	Champlin	324	426		
	✓ 5 4 4 1 5 7 6	08-95	Bierschenk et al.	136	203		
	✓ 5 4 3 1 0 2 1	07-95	Gwilliam et al.	62	3.7		
	✓ 5 3 8 5 0 2 2	01-95	Kornblit	62	3.2		
	✓ 5 6 0 0 5 7 5	02-97	Anticole	364	557		
	✓ 4 6 3 9 8 8 3	01-87	Michaelis	364	557		
	✓ 5 2 3 7 8 2 1	08-93	Okamura et al.	62	3.2		
	5 7 2 0 4 0 6	02-98	Fassbind et al.	220	23.4		
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	✓ 0 3 6 2 1 7 3	04-90	Europe				
	✓ 9 7 2 1 0 8 9	06-97	World				
	✓ 0 6 4 2 8 2 8	03-95	Europe			U.S. Pat. No.	
	✓ 0 6 4 0 8 2 8	03-95	Europe			5,720,406	
	✓ 9 5 2 7 1 9 6	10-95	World				
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER				DATE CONSIDERED			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 98/06189

(D)

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 B01L7/00 C12Q1/68 H01L35/28 F25B21/02 G01R27/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 B01L F25B H01L G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 488 769 A (PERKIN ELMER CETUS INSTR) 3 June 1992 cited in the application see page 7, line 19 - line 30 see page 8, line 19 - line 48 see page 8, line 49 - line 51	1
A	see page 9, line 48 - page 10, line 12	2
A	see page 15, line 21 - line 50; figures 2, 6, 8	34-38 14, 39
A	see page 16, line 7 - line 39; figures 9, 13	2, 22
A	see page 20, line 34 - page 21, line 29 see page 22, line 41 - line 57; figures 1, 19	31
A	see page 23, line 16 - line 39; figure 15 see page 23, line 40 - line 47; figures 15, 19	25
A	see page 35, line 19 - page 36, line 9; claim 99	32
	-/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another claim or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "Z" document member of the same patent family

Date of the actual completion of the international search

8 October 1998

Date of mailing of the international search report

23. 10. 98

Name and mailing address of the ISA

European Patent Office, P.B. 6818 Patentele 2
NL - 2280 MV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3015

Authorized officer

Hocquet, A

Form PCT/ISA/210 (second sheet) (July 1992)

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 0 342 155 A (AGROGEN STIFTUNG ;SEYFFER & CO (CH); KNOPF ULRICH CHRISTIAN (CH)) 15 November 1989 see column 3, line 12 - line 21; figures 2,3 see column 6, line 38 - column 7, line 20; figures 2-7</p>	39
X	<p>EP 0 642 831 A (HOFFMANN LA ROCHE) 15 March 1995</p>	1
A	see column 3, line 27 - column 5, line 7	2
A	see column 5, line 34 - column 6, line 16	
A	<p>EP 0 236 069 A (CETUS CORP) 9 September 1987 see page 9, line 20 - page 10, line 10; figures 1,3</p>	9
Y	<p>DE 40 37 955 A (SEIDL BERND) 6 June 1991 see column 1, line 3 - line 21; claims 1-7 see column 1, line 47 - column 2, line 18; figures</p>	34-38
A	<p>WO 93 09486 A (HYBAID LTD) 13 May 1993 see page 4, line 10 - line 17; claims 1,3,6 see page 7, line 1-5 see page 7, line 18 - line 35</p>	3-6 34-38
A	<p>US 5 410 130 A (BRAUNSTEIN ZACHARY L) 25 April 1995 see column 4, line 7 - line 34; figure 2</p>	2,22,23
A	<p>US 4 865 986 A (COY RICHARD A ET AL) 12 September 1989 see column 2, line 34 - line 58 see column 3, line 64 - column 4, line 5</p>	2
A	<p>US 5 040 381 A (HAZEN WILLIAM A) 20 August 1991 see column 1, line 27 - line 40 see column 2, line 3 - line 67; figure 1</p>	9,10
P,X	<p>WO 97 21089 A (PERKIN ELMER CORP) 12 June 1997 see page 8, line 10 - page 9, line 10; figures 1,2</p>	1,25
X	<p>EP 0 642 828 A (HOFFMANN LA ROCHE) 15 March 1995 see column 7, line 12 - column 8, line 40; figures 7-12</p>	1,25

-/--		

5

Form PCT/ISA/210 (continuation of second sheet) (July 1982)

INTERNATIONAL SEARCH REPORT

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		International Application No.
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 640 828 A (HOFFMANN LA ROCHE) 1 March 1995 see column 7, line 23 - line 35; figures 14-17	1,25
Y	see column 15, line 1 - line 13	25
Y	WO 95 27196 A (SANADI ASHOK R) 12 October 1995 see page 1, paragraph 2 see page 21, paragraph 2 - page 22, paragraph 1; figures 8,8A	1,25
A	US 5 248 934 A (ROVETI DENES K) 28 September 1993 see column 1, line 11 - line 17 see column 2, line 58 - line 68 see column 3, line 20 - line 23	26-28,40
A	US 4 881 038 A (CHAMPLIN KEITH S) 14 November 1989 see column 2, line 5 - line 15 see column 3, line 65 - column 4, line 4	28,40
A	US 5 441 576 A (BIERSCHENK JAMES L ET AL) 15 August 1995 see column 1, line 32 - line 59; figures see column 3, line 14 - line 47	28,40
A	US 5 431 021 A (GWILLIAM SCOTT B ET AL) 11 July 1995 see column 3, line 37 - line 39 see column 9, line 14 - line 40 see column 10, line 2 - column 12, line 35; figures 6A,9	30
A	US 5 385 022 A (KORNBLIT LEVY) 31 January 1995 see column 1, line 20 - line 46 see column 6, line 32 - line 48	30
A	EP 0 362 173 A (AFFARSVERKET FFV) 4 April 1990 see column 1, line 47 - column 3, line 9	31
A	US 5 600 575 A (ANTICOLE ROBERT B) 4 February 1997 see column 6, line 51 - column 7, line 58; figures 4,5	31
A	US 4 639 883 A (MICHAELIS THEODORE O) 27 January 1987 see column 2, line 6 - line 16 see column 3, line 33 - column 4, line 23	31
	-/--	

5

Form PCT/MB/A/210 (continuation of second sheet) (July 1992)

page 3 of 4

INTERNATIONAL SEARCH REPORT


C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		International Application No. PCT/US 98/06189
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 237 821 A (OKUMURA TAKUJI ET AL) 24 August 1993 see column 1, line 21 - line 55; figure 18 -----	32

5

Form PCT/ISA210 (continuation of second sheet) (July 1992)

Page 4 of 4

(E)

Attorney's Docket No. 07759-033001	Express Mail Label No.	Mailing Date September 27, 2002	For PTO Use Only <i>Do Not Mark in This Area</i> 
Application No. 09/075,392	Filing Date May 8, 1998	Attorney/Secretary Init RPF/pd	
Title of the Invention IMPROVEMENTS IN THERMAL CYCLER FOR PCR			
Applicant Atwood et al.			
Enclosures - Transmittal Letter (RCE) (1 page) - Check in the amount of \$740.00 - Information Disclosure Statement (1 page) - Form PTO-1449 (1 page) - Documents listed on the Form PTO-1449 (2 documents) - Petition for Extension of Time (3 months) - Other: Petition for Suspension of Prosecution (1 page); Check for \$130; Check for \$920 (3 Mo. Extension)			

Attorney's Docket No.: 07759-033001 / 4480 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Atwood et al. Art Unit : 2155
Serial No. : 09/075,392 Examiner : Firmin Backer
Filed : May 8, 1998
Title : IMPROVEMENTS IN THERMAL CYCLER FOR PCR

Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449, copies of which are enclosed. Also enclosed is a copy of the International Search Report from related case PCT/US98/06189 which cites the enclosed references.

This filing is being made with the filing of a Request for Continued Examination. No fee is required.

Respectfully submitted,

Date:

9/27/2002Richard P. Ferrara

Richard P. Ferrara
Reg. No. 30,632

Fish & Richardson P.C.
45 Rockefeller Plaza, Suite 2800
New York, New York 10111
Telephone: (212) 765-5070
Facsimile: (212) 258-2291

30118336.doc

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail) with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

SEPTEMBER 27, 2002

Date of Deposit

Patticia F. Suchanek

Signature

PARRICIA F. SUCHANEK

Typed or Printed Name of Person Signing Certificate

(G)

Sheet 1 of 1

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07759-033001	Application No. 09/075,392
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 51.98(b))		Applicant Atwood et al.	
		Filing Date May 8, 1998	Group Art Unit 2155

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL	0 640 828	03/01/1995	EP				
	AM	0 642 828	03/15/1995	EP				
	AN							
	AO							
	AP							

Other Documents (Include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

INTERNATIONAL SEARCH REPORT

In national Application No
PCT/US 98/06189

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 B01L7/00 C12Q1/68 H01L35/28 F25B21/02 G01R27/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 B01L F25B H01L G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	✓ EP 0 488 769 A (PERKIN ELMER CETUS INSTR) 3 June 1992 cited in the application see page 7, line 19 - line 30 see page 8, line 19 - line 48	1
A	see page 8, line 49 - line 51	2
A	see page 9, line 48 - page 10, line 12	34-38
A	see page 15, line 21 - line 50; figures 2, 6, 8	14, 39
A	see page 16, line 7 - line 39; figures 9, 13	2, 22
A	see page 20, line 34 - page 21, line 29 see page 22, line 41 - line 57; figures 1, 19	31
A	see page 23, line 16 - line 39; figure 15 see page 23, line 40 - line 47; figures 15, 19	25
A	see page 35, line 19 - page 36, line 9; claim 99	32
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

8 October 1998

Date of mailing of the international search report

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Hocquet, A

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 98/06189

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>✓ EP 0 342 155 A (AGROGEN STIFTUNG ;SEYFFER & CO (CH); KNOFF ULRICH CHRISTIAN (CH)) 15 November 1989 see column 3, line 12 - line 21; figures 2,3 see column 6, line 38 - column 7, line 20; figures 2-7</p>	39
X	<p>✓ EP 0 642 831 A (HOFFMANN LA ROCHE) 15 March 1995</p>	1
A	see column 3, line 27 - column 5, line 7	2
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Y	<p>✓ DE 40 37 955 A (SEIDL BERND) 6 June 1991 see column 1, line 3 - line 21; claims 1-7 see column 1, line 47 - column 2, line 18; figures</p>	34-38
A	<p>✓ WO 93 09486 A (HYBAID LTD) 13 May 1993 see page 4, line 10 - line 17; claims 1,3,6 see page 7, line 1-5 see page 7, line 18 - line 35</p>	3-6 34-38
A	<p>✓ US 5 410 130 A (BRAUNSTEIN ZACHARY L) 25 April 1995 see column 4, line 7 - line 34; figure 2</p>	2,22,23
A	<p>✓ US 4 865 986 A (COY RICHARD A ET AL) 12 September 1989 see column 2, line 34 - line 58 see column 3, line 64 - column 4, line 5</p>	2
A	<p>✓ US 5 040 381 A (HAZEN WILLIAM A) 20 August 1991 see column 1, line 27 - line 40 see column 2, line 3 - line 67; figure 1</p>	9,10
P,X	<p>* WO 97 21089 A (PERKIN ELMER CORP) 12 June 1997 see page 8, line 10 - page 9, line 10; figures 1,2</p>	1,25
X	<p>✓ EP 0 642 828 A (HOFFMANN LA ROCHE) 15 March 1995 see column 7, line 12 - column 8, line 40; figures 7-12</p>	1,25

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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	see column 15, line 1 - line 13	25
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A	* US 5 441 576 A (BIERSCHENK JAMES L ET AL) 15 August 1995 see column 1, line 32 - line 59; figures see column 3, line 14 - line 47	28,40
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A	* US 5 385 022 A (KORNBLIT LEVY) 31 January 1995 see column 1, line 20 - line 46 see column 6, line 32 - line 48	30
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		I national Application No PCT/US 98/06189
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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INTERNATIONAL SEARCH REPORT

national application No.

PCT/US 98/06189

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
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Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

- | | |
|------------------------------|---------------|
| 1. CLAIMS: 01-24, 33-39 | 4. CLAIM : 30 |
| 2. CLAIM : 25 | 5. CLAIM : 31 |
| 3. CLAIMS: 26-27, 28, 29, 40 | 6. CLAIM : 32 |

FOR FURTHER INFORMATION PLEASE SEE FORM PCT/ISA/206 MAILED 17.07.98.

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
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4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (1)) (July 1992)

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